Hannover Messe 2024

About

HANNOVER MESSE
is the most important international platform and hot spot for industrial transformation - with excellent innovations or unusual products. At the world's leading industrial trade fair, companies from the mechanical engineering, electrical engineering and digital industries as well as the energy sector will come together to present solutions for a high-performance, but also sustainable industry. More than 4,000 companies will be acting as an interconnected industrial ecosystem and demonstrating how climate neutrality can be achieved through electrification, digitization and automation.

Industry 4.0 is the future of manufacturing,
with smart factories linked to the Industrial Internet of Things (IIoT). But an appropriate communication framework and comprehensive connectivity are also essential ingredients for achieving flexible, autonomous, and efficient production plants and intralogistics (the organization, implementation, and optimization of material flows). The Industrial 5G standard opens up major new opportunities for achieving flexible, scalable connectivity that can be precisely tailored to the specific needs of industry.

At HANNOVER MESSE 2024, 5G-ACIA and its partners
will team up to present the "5G and Industrial Wireless Arena" (5G Arena for short) as a practical illustration of how it all works. It will feature the participation of companies and organizations of the industrial 5G ecosystem within the scope of a comprehensive five-day on-stage program and forum. As a special addition at this year's 5G Arena, 5G-ACIA will present its unique Demo Wall, showcasing various devices and solutions built for Industrial 5G.

www.hannovermesse.de >>

Venue / Tickets

Fairgrounds
D-30521 Hannover
Germany
Open in Google Maps >>

Dates
April 22–26, 2024

Hours
Daily from 9 a.m. to 6 p.m.

5GACIA

5G-ACIA invites you to Hannover Messe.

Take advantage of this unique opportunity to meet experts from around the world and learn all about Industrial 5G and its potential for taking your business to the next level.
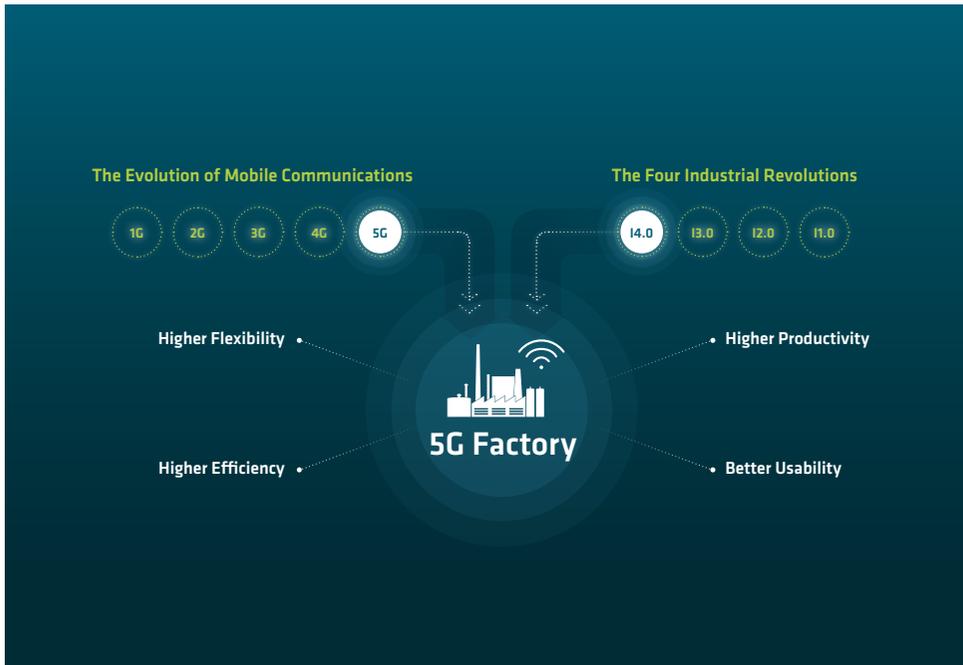
You'll find us in Hall 14 (booth H06/47) at the "5G and Industrial Wireless Arena".

Tickets & Exhibitor Passes >>
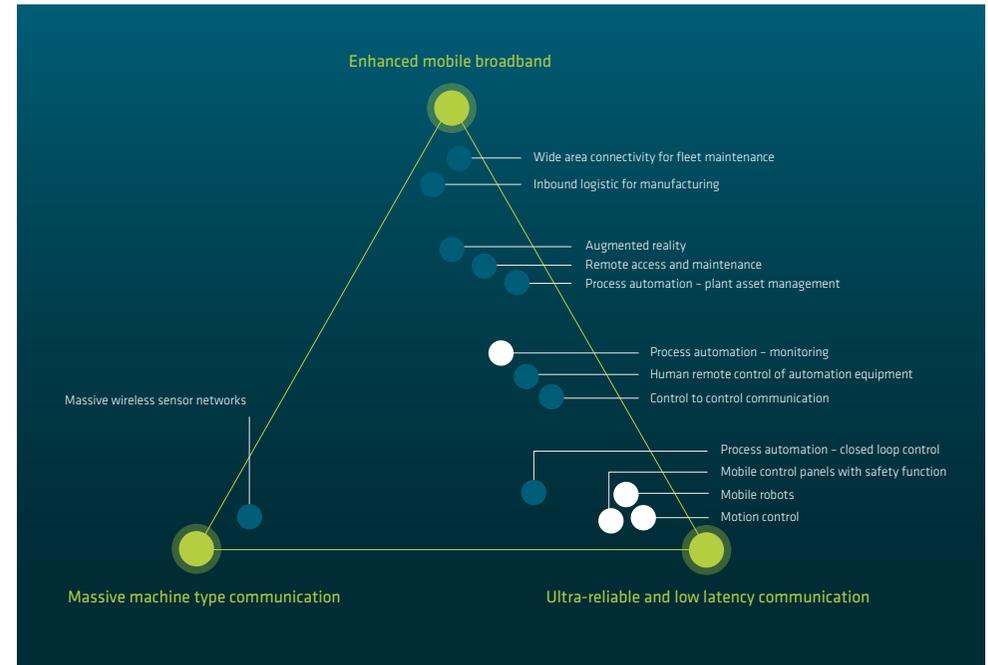
Making Industrial 5G Happen

5G-ACIA is the number one global forum for shaping 5G in the industrial domain.
It's the leading platform for companies and organizations spanning a variety of industries worldwide to create a new ICT and OT ecosystem and forge the framework of a highly attractive new market. To learn more about the emerging market for Industrial 5G, visit our booth.

Designing 5G for Industrial Use

One of the main ways in which 5G differs from previous generations of cellular networks is its strong focus on machine-type communication and the Internet of Things (IoT). This paves the way for the next era in industrial production, dubbed „Industry 4.0", which aims to significantly improve the flexibility, versatility, usability, and efficiency of future smart factories and industrial plants.

A Key Enabler of Industrial 5G

The rationale for developing 5G was not only to expand the broadband capabilities of mobile networks, but also to provide advanced wireless connectivity for a wide variety of vertically integrated industries.

To achieve this, 5G supports three essential types of communication: enhanced mobile broadband (eMBB), massive machine-type communication (mMTC), and ultra-reliable low-latency communication (URLLC).

Exhibition Halls

Future Hub
Hall 2

Engineered Parts & Solutions
Halls 3–4

Automation, Motion & Drives
Halls 5–9, 11

Energy Solutions
Halls 11–13

Digital Ecosystems
Halls 14–17

Hall 14
"5G and Industrial Wireless Arena"

The current state of the Industrial 5G Ecosystem

Demo Wall

Experience the world of Industrial 5G at Hannover Messe 2024 with the debut of the **5G-ACIA Demo Wall**, representing the latest state of the Industrial 5G Ecosystem.

For the first time ever, the Demo Wall will **showcase the devices that help make Industrial 5G a reality**. Find out about industrial 5G routers, modules and dongles, fieldbus communication over 5G, safety over 5G, industrial 5G radio access networks and core networks as well as many more 5G devices that are on display. Don't miss out on this opportunity and get in touch with the experts at the 5G-ACIA booth.

Digital Twin

You will not be able to attend Hannover Messe and see the Demo Wall in person?
Have a look at its digital twin via the following link to the 5G-ACIA website or the QR-Code.

5G-ACIA Demo Wall >>

1	Industrial 5G Routers	6	5G Devices / #1
2	Industrial 5G Routers/Modules/Dongles	7	5G Devices / #2
3	Fieldbus Communication over 5G	8	Industrial 5G Radio Access Networks
4	Safety over 5G / #1	9	Industrial 5G Core Networks
5	Safety over 5G / #2		

5G-ACIA Members at Hannover Messe 2024

Exhibition

Insights and Value Adds

Hannover Messe 2024 offers the unique chance to experience the whole Industrial 5G ecosystem in one place.
5G-ACIA members will also be present and showcase their contributions and innovations.

5G-ACIA Members on Stage

Forum

Sharing Experiences

Taking Industrial 5G from Theory to Practice

5G has the potential to provide (wireless) connectivity for a wide range of use cases and applications in industry.
In the forum of the 5G Arena, the following 5G-ACIA members will contribute interesting points of view.

5G-ACIA Members on Stage

Forum

Sharing Experiences

5G-ACIA brings together key stakeholders for advancing the standardization and regulation of 5G in the industrial domain.
In the forum of the 5G Arena, several 5G-ACIA members will present key 5G-ACIA deliverables for Hannover Messe 2024.
Detailed information on the entire forum program is available on the Hannover Messe website.

5GACIA

Industrial 5G | State of the Union
Lecture

Monday, April 22 | 10:30 – 11:00 a.m.
Speakers: Dr. Andreas Mueller, 5G-ACIA General Chair
       Dr. Afif Osseiran, 5G-ACIA General Vice Chair

Fraunhofer

Industrial 5G | 5G campus networks in business: open solutions for the communication of the future
Panel

Monday, April 22 | 12:00 – 12:45 p.m.
Panelists: Elena Kempf-Loeck, Fraunhofer HHI
       Prof. Dr. Slawomir Stanczak, Fraunhofer HHI
       Prof. Dr. Frank Fitzek, TU Dresden
       Thomas Höschele, Startup "CampusGenius"

SIEMENS

Industrial 5G | Mission-critical use cases and applications with Industrial 5G
Presentation

Monday, April 22 | 1:30 – 1:50 p.m.
Speaker: Daniel Mai, Siemens

Fraunhofer

Industrial 5G | Vertical drivers for Open 5G Campus Networks
Panel

Monday, April 22 | 2:25 – 2:55 p.m.
Panelists: Prof. Dr. Thomas Magedanz, Fraunhofer FOKUS
       Dr. Frank Hofmann, Bosch
       Ansgar Bergmann, Still
       Raimo Vollstädt, Topcon
       Dr. Bernd Schröder, brown-iposs
       Klaus Nagora, SML

Capgemini engineering

Industrial 5G | Addressing multiple connectivity technologies to underpin various industrial needs
Talk

Monday, April 22 | 3:00 – 3:20 p.m.
Speakers: Dr. Shamik Mishra, Capgemini
       Anastasia Karatrantou, Capgemini

NOKIA

Industrial 5G | The status of 5G technology adoption within the Manufacturing sector
Talk

Monday, April 22 | 3:55 – 4:15 p.m.
Speaker: Carlijn Williams, Nokia

HUAWEI

Industrial 5G | 3GPP sensing – new eyes for robots in I4.0
Talk

Monday, April 22 | 4:15 – 4:35 p.m.
Speaker: Joseph Eichinger, Huawei

5G-ACIA Members on Stage

Forum

Sharing Experiences

Fraunhofer

Industrial 5G | Security risks in networked adaptive production
Presentation

Monday, April 22 | 5:05 – 5:25 p.m.
Speaker: Maximilian Ortmann, Fraunhofer IPT

UNIBERG

Industrial 5G | Frequency allocation options for nomadic 5G networks
Panel

Monday, April 22 | 5:30 – 6:00 p.m.
Panelists: Prof. Dr. Thomas Magedanz, TU Berlin / Uniberg
Dr. Muslim Elkotob, Vodafone Germany
Prof. Dr. Hans Schotten, DFKI
Dr. Jörg Schneider, BNetzA
Andreas Möller, UNIBERG
Dr. Afif Osseiran, Ericsson

NTT DaTa

Industrial 5G | The Challenge and Promise of Computer Vision and AI in Smart Manufacturing
Lecture

Tuesday, April 23 | 10:00 – 10:25 a.m.
Speaker: Parm Sandhu, NTT

Fraunhofer

Industrial 5G | Validation of 5G and TSN for fieldbus communication: A case study.
Presentation

Tuesday, April 23 | 11:35 – 11:55 a.m.
Speaker: Pierre Kehl, Fraunhofer IPT

CAMPUS GENIUS

Industrial 5G | 5G evaluation scenarios – AGVs on the factory floor
Presentation

Tuesday, April 23 | 12:00 – 12:25 p.m.
Speakers: Thomas Höschele, CampusGenius
Eike Lyczkowski, SEW-EURODRIVE

CISCO

Industrial 5G | From Analog to Augmented: Empowering the Future Workforce
Panel

Tuesday, April 23 | 2:45 – 3:15 p.m.
Panelists: Parthasarathi Kar, Cisco Webex
Dave Landreth, Augmentir
Chris Parkinson, RealWear
Filipe Rodrigues, Cisco Systems

O₂ Telefónica

Industrial 5G | o2 Telefónica Campus Networks with 5G Stand-alone Slicing for healthcare and medical technology
Best Practice

Tuesday, April 23 | 3:20 – 3:40 p.m.
Speakers: Frank Schmidt-Küntzel, o2 Telefónica
Prof. Dr. Christoph Thümmler, 6G Health Institute

5G-ACIA Members on Stage

Forum

Sharing Experiences

PHŒNIX CONTACT

Industrial 5G | Wifi 6 vs. Industrial 5G: which technology is the best?
Presentation

Tuesday, April 23 | 3:45 – 4:10 p.m.
Speakers: Jörg Brasas, Phoenix Contact Electronics
Jürgen Weczerek, Phoenix Contact Electronics

---

brown-iposs

Industrial 5G | Automation needs 5G – and 5G needs automation
Talk

Tuesday, April 23 | 5:30 – 5:50 p.m.
Speaker: Bernd Schröder, brown-iposs

Capgemini engineering

Industrial 5G | A rounded approach to effectively adopt advanced connectivity for industrial operations
Lecture

Wednesday, April 24 | 9:40 – 10:00 a.m.
Speaker: Anastasia Karatrantou, Capgemini

Qualcomm

Industrial 5G | Unlocking advanced capabilities for Industrial IoT
Lecture

Wednesday, April 24 | 1:15 – 1:35 p.m.
Speaker: Sebastiano Di Filippo, Qualcomm Europe

BOSCH   **Fraunhofer**

Industrial 5G | The role of 6G in shaping the next industrial era
Panel

Wednesday, April 24 | 2:45 – 3:30 p.m.
Panelists: Dr. Andreas Müller, Bosch / 5G-ACIA
Prof. Dr. Slawomir Stanczak, Fraunhofer HHI
Daniel Mai, Siemens
Andreas Pfaff, Mitsubishi
Prof. Hans Schotten, RPTU
Göran Malmgren, Nokia
Dr. Konstantinos Chalkiotis, Deutsche Telekom

NOKIA

Industrial 5G | Overcoming real-world Manufacturing workforce challenges with Connected Worker systems
Best Practice

Wednesday, April 24 | 3:35 – 3:55 p.m.
Speaker: Tom Richter, Nokia

5G-ACIA Members on Stage

Forum

Sharing Experiences

kontron

Industrial 5G | First steps into flexible and automated manufacturing
Talk

Wednesday, April 24 | 5:35 – 6:00 p.m.
Speaker: Janez Ori, Kontron

5GACIA

Industrial 5G | Private Network Deployments in Industrial Scenarios
Talk

Thursday, April 25 | 9:40 – 10:00 a.m.
Speaker: Atte Länsisalmi, Nokia; Chair WG 3 (5G-ACIA)

5GACIA

Industrial 5G | Integration of OPC UA with 5G Networks
Talk

Thursday, April 25 | 10:05 – 10:25 a.m.
Speaker: Dr. Xueli An, Huawei; Vice-Chair WG 1 (5G-ACIA)

ROHDE&SCHWARZ

Industrial 5G | How to objectively assess private 5G SA network performance?
Lecture

Thursday, April 25 | 11:00 – 11:25 a.m.
Speaker: Meik Kottkamp, Rohde & Schwarz

HMF smart solutions

Industrial 5G | BSI-funded project COBRA-5G - Containerbased resilient architecture for 5G campus networks
Lecture

Thursday, April 25 | 11:55 a.m. – 12:20 p.m.
Speakers: Amina Ayadi-Mießen, HMF
Simone Gitschier, HMF

ERICSSON

Industrial 5G | Key learnings from private cellular network early adopters in manufacturing
Panel

Thursday, April 25 | 1:40 – 2:10 p.m.
Panelists: Joe Wilke, Ericsson
Niels König, Fraunhofer IPT
Dr. Eike Lyczkowski, SEW-EURODRIVE

PEPPERL+FUCHS

Industrial 5G | Condition monitoring in industrial environment by means of wireless sensors
Lecture

Thursday, April 25 | 3:05 – 3:30 p.m.
Speaker: Daniel Moest, Pepperl+Fuchs

5G-ACIA Members on Stage

Forum

Sharing Experiences

HUAWEI

Industrial 5G | The role of AI in mobile communication system: from 5G towards 6G
Talk

Friday, April 26 | 9:40 – 10:00 a.m.
Speaker: Dr. Xueli An, Huawei

Fraunhofer

Industrial 5G | 5G in Production - from Use Case to Business Case
Talk

Friday, April 26 | 10:05 – 10:25 a.m.
Speaker: Niels König, Fraunhofer IPT

ERICSSON

Industrial 5G | How manufacturers can strategically empower the next generation workforce using 5G
Talk

Friday, April 26 | 12:15 – 12:35 p.m.
Speakers: Joe Wilke, Ericsson
Jan Diekmann, Ericsson

5G-ACIA Members on Stage

Panels

Insights on Experiences

5G-ACIA member companies in various sectors are working on Industrial 5G integration and early-stage manufacturing implementations.

In these panels, end users and key technology partners of the Industrial 5G ecosystem will contribute fascinating insights while discussing Industrial 5G deployments with 5G-ACIA members.

Tuesday, April 23, 2024, 10:30 – 11:30 a.m.

Moderated by Dr. Afif Osseiran, 5G-ACIA General Vice Chair; Director, Industry Engagements & Research (Ericsson)

Market Adoption of Industrial 5G: Where are we on the way to the usage of 5G in manufacturing?

The panel will delve into the global testing and deployment of industrial 5G, exploring its added values and challenges.

The discussion will be on the forefront of industrial innovation as the panel delves into the dynamic world of industrial 5G. From Asia to Europe and the US, this panel brings together leading voices from across the end-to-end industrial 5G ecosystem to share their latest insights, experiences, and strategies for success.
The panelists represent a diverse array of perspectives, including OT end users, OT automation players, Mobile Network Operators (MNOs), and infrastructure providers. Together, they will offer unique insights into the testing, deployment, and ongoing utilization of industrial 5G, exploring its added values and the challenges it presents in today's global landscape.

Panelists:
Michael Lee, ASE
Dr. Andreas Müller, General Chair 5G-ACIA; Bosch
Allan Zheng, China Mobile
Daniel Mai, Siemens
Arving Singh, Verizon

Wednesday, April 24, 2024, 1:40 – 2:40 p.m.

Moderated by Niels König, Vice-Chair WG 5 (5G-ACIA) and Coordinator 5G-Industry Campus Europe (Fraunhofer Institute for Production Technology IPT)

Industrial 5G in Practice – What is the readiness of Industrial 5G?

The panel will delve into the practicalities of industrial 5G, exploring best practices, proven benefits and potential improvements.

The discussion will focus on 5G deployments established in industry, they implemented use case. The results will be discussed alongside with how 5G positively affected the companies IIoT activities, but also potential improvements will be recommended to further improve the ecosystem.
The panelists represent perspectives mostly from OT end users and OT automation players. Together, they will share their insights in to their practical experiences with 5G.

Panelists:
Dr. Olive Murphy, Analog Devices
Dr. Christian Bauer, Belden
Philippe Herbert, Ministère de l'Économie et des Finances
Christina Fischer, Schaeffler Technologies

5G ACIA

See you in Hannover!

If you have any questions in connection with your visit to our booth,
please don't hesitate to contact us!

ZVEI e. V.
5G-ACIA
Lyoner Strasse 9
60528 Frankfurt am Main
Germany
Phone: +49 69 6302-292
Email: info@5g-acia.org

5G-ACIA.org

Design by COBRAND